

NPIC/R-1128/64
March 1964

PHOTOGRAPHIC INTERPRETATION REPORT

IPIR
GOLDEN TREE MISSION 3850
2 MARCH 1964

Declass Review by
NIMA/DOD

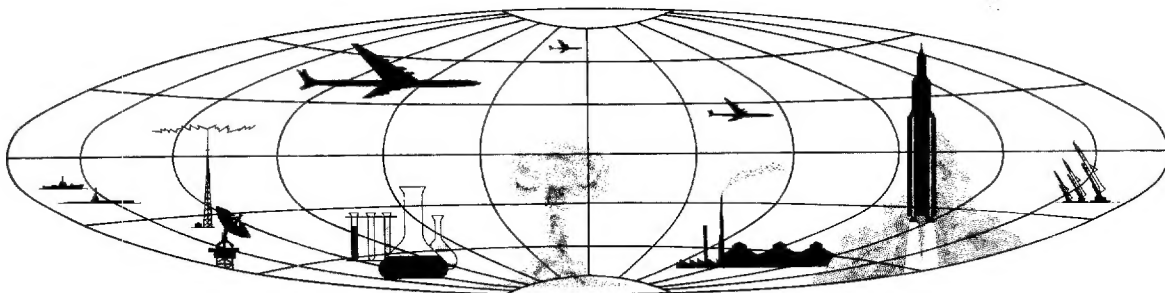


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W A R N I N G

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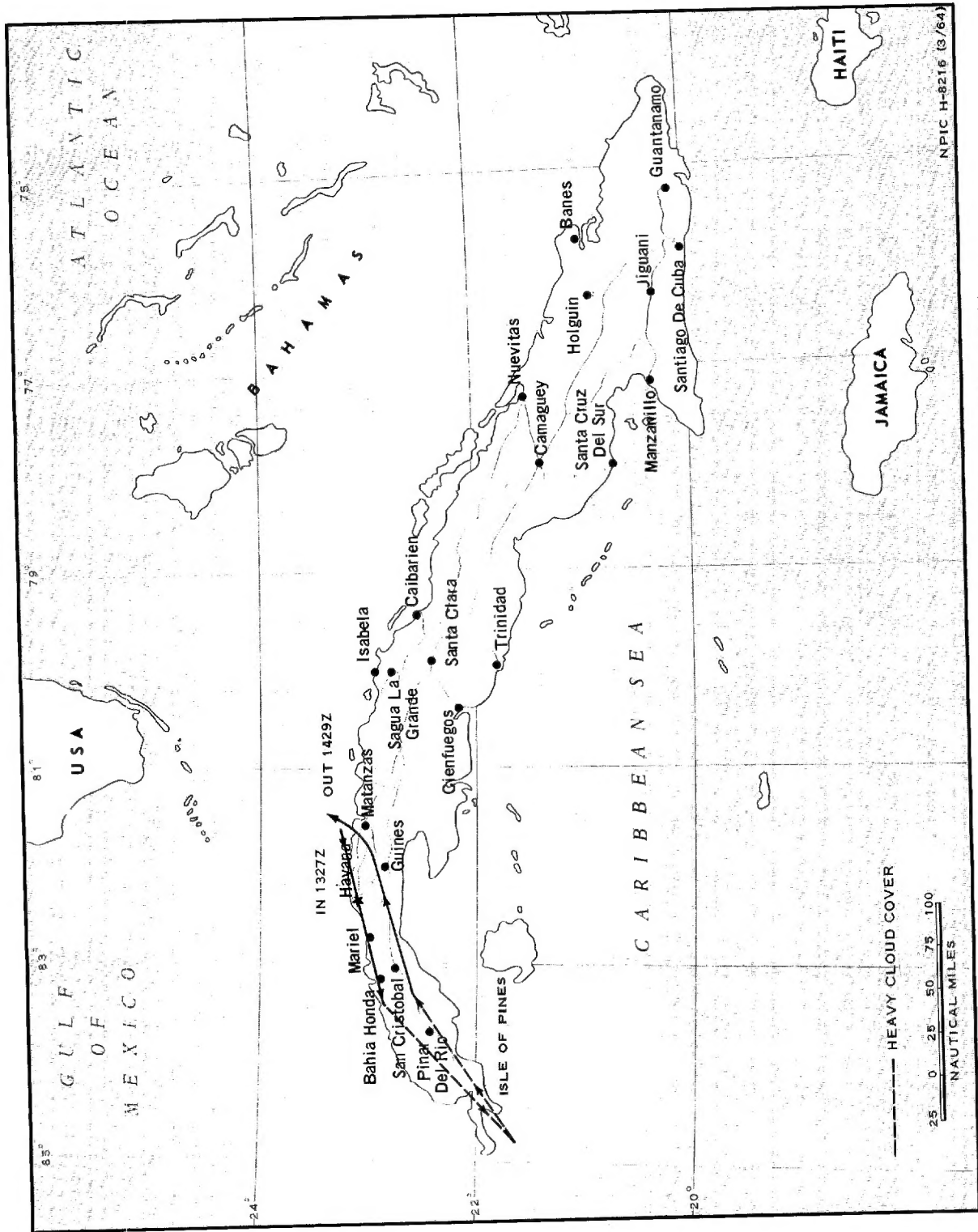
PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GOLDEN TREE MISSION 3850 DATED 2 MAR 1964. THE NUMBER APPEARING AT THE END OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), PQ (POOR IMAGE QUALITY).

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APPROXIMATE TRACK OF GOLDEN TREE MISSION 3850, 2 MARCH 1964

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ITEMS OF SPECIAL INTEREST

ATTACHMENT 1 -- TORRENS SAM ASSEMBLY AREA [REDACTED]
ATTACHMENT 2 -- TORRENS UNIDENTIFIED ACTIVITY [REDACTED]
ATTACHMENT 3 -- EL FRANCIS UNIDENTIFIED ACTIVITY [REDACTED]

25X1
25X1

MISSILES

MARIEL SAM SITE 2300N 08249W [REDACTED]

25X1

SIX REVETTED LAUNCHERS (3 NET-COVERED), 3 CANVAS-COVERED MISSILE TRANSPORTERS, 4 OTHER VEHICLES, AND A GUIDANCE REVETMENT CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

[REDACTED]

HAVANA SAM SITE 2309N 08213W [REDACTED]

25X1

SIX UNREVVETTED LAUNCHERS (ONE WITH MISSILE AND AT LEAST 2 CANVAS-COVERED), ONE CANVAS-COVERED MISSILE TRANSPORTER, A CANVAS-COVERED HOLD AREA, 12 CANVAS-COVERED PROBABLE TRACKED PRIME MOVERS, 13 OTHER VEHICLES, AND AN UNREVVETTED GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

[REDACTED]

SANTIAGO DE LAS VEGAS SAM ASSEMBLY AREA 2257N 08221W [REDACTED]

25X1

TWENTY-ONE PROBABLE MISSILE TRANSPORTERS AND 21 OTHER OTHER VEHICLES OBSERVED IN CLOUD-FREE AREAS.

[REDACTED]

MANAGUA SAM SITE 2259N 08215W [REDACTED]

25X1

SIX REVETTED LAUNCHERS (ONE WITH MISSILE AND 2 CANVAS-COVERED), ONE MISSILE TRANSPORTER IN LAUNCH

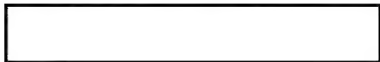
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REVTMENT AND ONE ON LOOP ROAD, 9 CARGO TRUCKS, ONE TRUCK-MOUNTED CRANE, 5 OTHER VEHICLES, 5 VAN TRAILERS, AND A GUIDANCE REVTMENT CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. FACILITIES INCLUDE 9 LARGE NON-SOVIET TENTS AND ONE MEDIUM TENT.

25X1



MAJANA SAM SITE 2241N 08249W



25X1

FIVE UNREVTED LAUNCHERS (4 CANVAS-COVERED AND ONE WITH MISSILE), 2 MISSILE TRANSPORTERS (ONE WITH UNCOVERED MISSILE), 2 POSSIBLE MISSILE TRANSPORTERS, 7 CARGO TRUCKS, ONE UTILITY TRUCK, AND A GUIDANCE AREA WITH RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.

25X1



LA SALUD SAM SITE 2253N 08224W



25X1

SIX UNREVTED LAUNCHERS (3 CANVAS-COVERED AND ONE WITH MISSILE), ONE PROBABLE MISSILE TRANSPORTER, ONE POSSIBLE MISSILE TRANSPORTER, 3 CANVAS-COVERED HOLD AREAS, 10 CANVAS-COVERED TRACKED PRIME MOVERS, 3 CARGO TRUCKS, AND AN OCCUPIED GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1



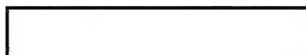
PUNTA BRAVA SAM SITE 2301N 08231W



25X1

SIX UNREVTED LAUNCHERS (2 WITH MISSILES AND 3 CANVAS-COVERED), ONE CANVAS-COVERED MISSILE TRANSPORTER, 2 CANVAS-COVERED HOLD AREAS, 8 PROBABLE TRACKED PRIME MOVERS, 9 OTHER VEHICLES, 3 VAN TRAILERS, AND AN UNREVTED GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.

25X1



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GUARA SAM SITE 2248N 08213W

SIX UNREVIEWED LAUNCHERS (3 WITH MISSILES), 2 MISSILE TRANSPORTERS ADJACENT TO LAUNCHERS, 12 TRACKED PRIME MOVERS, AND A GUIDANCE AREA WITH RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. FACILITIES INCLUDE 8 LARGE TENTS (7 NON-SOVIET), 5 MEDIUM TENTS, AND 2 SMALL TENTS.

25X1

TORRENS SAM ASSEMBLY AREA 2257N 08227W

TWENTY-FOUR MISSILE TRANSPORTERS (12 WITHOUT PRIME MOVERS), APPROXIMATELY 24 FLATBED TRACTOR-TRAILER TRUCKS, 2 MISSILE LAUNCHERS, 10 CARGO TRUCKS, 6 VAN TRUCKS, 40 OTHER VEHICLES, 2 PROBABLE CARGO TRAILERS, 5 VAN TRAILERS, AND AN UNDETERMINED NUMBER OF CANVAS-COVERED MISSILE CANISTERS OBSERVED. TWO ADDITIONAL GROUPS OF AN UNDETERMINED NUMBER OF MISSILE CANISTERS OBSERVED ADJACENT TO TREES ON SOUTH SIDE OF THE AREA. (SEE ATTACHMENT 1)

25X1

CABANAS SAM SITE 2258N 08258W

SIX UNREVIEWED LAUNCHERS (ONE WITH MISSILE AND 5 CANVAS-COVERED) AND A GUIDANCE AREA WITH RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.

SANTA CRUZ DEL NORTE CRUISE-MISSILE SITE 2309N 08156W

TWO REVIEWED LAUNCHERS, 13 CRUISE-MISSILE CRATES, 8 TRACKED PRIME MOVERS, 6 CARGO TRUCKS, ONE PROBABLE TRUCK-MOUNTED CRANE, 15 OTHER VEHICLES, AND A CANVAS-COVERED GUIDANCE REVETMENT OBSERVED IN CLOUD-FREE AREAS. NO APPARENT CHANGE IN FACILITIES OBSERVED IN CLOUD-FREE AREAS.

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25X1

CAMPO FLORIDO CRUISE-MISSILE SITE 2306N 08211W

TWO UNREVIEWED LAUNCHERS, 8 CANVAS-COVERED MISSILE TRANSPORTERS, 8 CANVAS-COVERED CRUISE-MISSILE CRATES, AND CANVAS-COVERED GUIDANCE EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1

GUERRA CRUISE-MISSILE STORAGE 2300N 08250W

NO APPARENT CHANGE SINCE [REDACTED] EXCEPT THAT 5 UNIDENTIFIED VEHICLES ARE OBSERVED AT THE ACTIVITY .5 NM WEST.

25X1

AIR FACILITIES

SAN ANTONIO DE LOS BANOS AIRFIELD 2252N 08230W

AIRCRAFT -- 32 FISHBED, 3 FARMER, 13 FAGOT/FRESCO, 2 SINGLE-ENGINE LIAISON, AND ONE HOUND. THE 12 PROBABLE AIRCRAFT SHIPPING CRATES REMAIN ON THE PARKING HARDSTANDS ON THE NORTH SIDE OF THE FIELD.

25X1

JOSE MARTI INTERNATIONAL AIRFIELD 2259N 08224W

OPERATIONS AREA -- 3 BRITANNIA, 2 COOT, ONE CUB, 6 CRATE, 5 C-46 OR C-47, AND ONE OTHER AIRCRAFT IN HANGAR. MAINTENANCE AREA -- 3 CONSTELLATION, 2 C-54, ONE B-26, 4 C-46, ONE LODESTAR, AND ONE LIAISON.

25X1

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CAMPO LIBERTAD AIRFIELD 2305N 08226W

AIRCRAFT -- 3 CRATE, 2 C-47, ONE PROBABLE C-47, 10 COLT, 21 LIAISON, AND ONE HOUND.

25X1

PLAYA BARACOA AIRFIELD 2302N 08234W

AIRCRAFT -- ONE CRATE, ONE C-46, ONE LIAISON, 18 HOUND, ONE HARE, AND 2 BELL HELICOPTERS.

25X1

NAVAL ACTIVITY/PORTS

MARIEL NAVAL BASE AND NAVAL AIR STATION 2259N 08244W

VESSELS -- ONE PCE, 3 S.O.1-CLASS SC, AND 5 LARGE FREIGHTERS (ONE AT ANCHOR, 3 AT CITY PIER, AND ONE AT LA BOCA WHARF).

25X1

CABANAS NAVAL BASE 2258N 08258W

VESSELS -- 10 KOMAR-CLASS PGMG, 6 P-4 MTB, AND ONE YP OBSERVED IN CLOUD-FREE AREAS.

25X1

SURGIDERO DE BATABAND PORT 2241N 08217W

NO LARGE VESSELS OBSERVED.

25X1

HAVANA PORT 2307N 08220W

VESSELS -- 3 PF, 3 KRONSTADT-CLASS PC, 2 KOMAR-CLASS PGMG, 3 YP, 29 LARGE FREIGHTERS, 8 COASTAL FREIGHTERS, ONE LARGE TANKER, 2 COASTAL TANKERS, 15 TRAWLERS, AND ONE POL BARGE.

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25X1



25X1

ELECTRONICS/COMMUNICATIONS

HAVANA COMMUNICATIONS CENTER 2301N 08226W

SIX TANKS/SP GUNS, 8 CARGO TRUCKS, AT LEAST 8 VAN TRUCKS, AND 12 CANVAS-COVERED UNIDENTIFIED VEHICLES OBSERVED IN CLOUD-FREE AREAS.

25X1

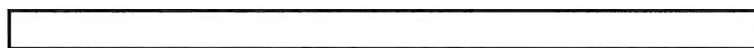


MILITARY ACTIVITY

LA FLORA MILITARY STORAGE AREA 2252N 08233W

ELEVEN TANKS/SP GUNS AND AT LEAST 30 OTHER VEHICLES OBSERVED IN CLOUD-FREE AREAS.

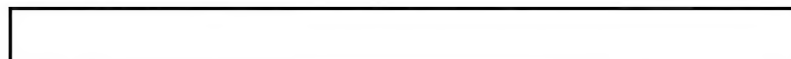
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SANTIAGO DE LAS VEGAS MILITARY CAMP 2258N 08220W

TEN FROG MISSILE TRANSPORTERS, 5 PROBABLE FROG MISSILE TRANSPORTERS, 5 PROBABLE FROG LAUNCHERS (4 CANVAS-COVERED), 4 TANKS/SP GUNS, 10 PROBABLE TANKS/SP GUNS, 4 VAN TRUCKS, 26 CARGO TRUCKS, AND 29 OTHER VEHICLES. SCATTERED CLOUDS AND CLOUD SHADOW LIMIT INTERPRETATION.

25X1



25X1

TORRENS MILITARY COMPLEX 2259N 08227W

AREAS 1-6 -- NO APPARENT CHANGE IN FACILITIES.
AREA 1 -- NO VEHICLES OR EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.
AREA 2 -- 24 CARGO TRUCKS, 23 VAN TRUCKS, 20 UTILITY TRUCKS, AND 18 OTHER VEHICLES.
AREA 3 -- 2 CANVAS-COVERED AREAS AND 2 VAN TRUCKS. FOLIAGE LIMITS INTERPRETATION.
AREA 4 -- 36 CARGO TRUCKS.
AREA 5 -- 10 CANVAS-COVERED PROBABLE TRACKED PRIME

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MOVERS, 4 CARGO TRUCKS, ONE OTHER VEHICLE, AND AN
OCCUPIED 6-GUN AAA SITE.
AREA 4 -- 14 TANKS/SP GUNS AND 26 CARGO TRUCKS
OBSERVED IN CLOUD-FREE AREAS. A 3-GUN AAA SITE IS
OCCUPIED.

25X1



25X1

MADRUGA MILITARY AREA 2255N 08149W

NO APPARENT CHANGE IN PERMANENT FACILITIES. FOUR
LARGE NON-SOVIET TENTS, 13 UNIDENTIFIED VEHICLES AND
NUMEROUS POL STORAGE TANKS OBSERVED.

25X1



MANAGUA MILITARY CAMP 2258N 08217W

AIRCRAFT -- 13 HOUND.
AT LEAST 89 TANKS/SP GUNS, 49 BTR 60-P, AND
APPROXIMATELY 250 OTHER VEHICLES OBSERVED.

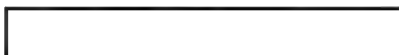
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NAZARENO MILITARY CAMP 2257N 08213W

AT LEAST 16 UNIDENTIFIED VEHICLES OBSERVED.

25X1



CAMPO FLORIDO MILITARY CAMP 2307N 08206W

NO APPARENT CHANGE IN FACILITIES.
TWENTY-EIGHT PROBABLE TANKS/SP GUNS, 24 OTHER
VEHICLES, AND 5 POSSIBLE FA PIECES OBSERVED.

25X1



BAJURAYABO MILITARY CAMP 2308N 08210W

NO APPARENT CHANGE IN FACILITIES.

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FIFTEEN UNIDENTIFIED VEHICLES AND 20 POSSIBLE FA
PIECES OBSERVED.

25X1



25X1

GUANABACOA MILITARY AREA 2307N 08215W



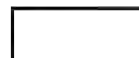
EAST AREA -- NO APPARENT CHANGE IN FACILITIES.
EIGHTEEN TRACKED PRIME MOVERS, AN UNDETERMINED NUMBER
OF OTHER VEHICLES AND 6 PROBABLE FA PIECES OBSERVED.
WEST AREA -- NO APPARENT CHANGE IN FACILITIES.
APPROXIMATELY 30 UNIDENTIFIED VEHICLES OR PIECES OF
EQUIPMENT OBSERVED.

25X1



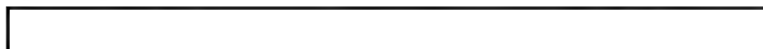
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HAVANA MILITARY CAMP CALABAZAR 2300N 08218W



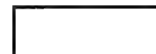
AREAS 1-6 -- NO APPARENT CHANGE IN FACILITIES.
AREA 1 -- 22 TANKS/SP GUNS, 49 CARGO TRUCKS, AND 3
OTHER VEHICLES. THE 6-GUN AAA SITE IS UNOCCUPIED.
AREA 2 -- 19 CARGO TRUCKS, 4 FA PIECES, AND 54
UNIDENTIFIED VEHICLES OR PIECES OF EQUIPMENT.
AREA 3 -- AT LEAST 50 POSSIBLE TANKS/SP GUNS AND 8
CARGO TRUCKS.
AREA 4 -- 2 CARGO TRUCKS, 3 OTHER VEHICLES, AND 2 VAN
TRAILERS.
AREA 5 -- 34 CARGO TRUCKS AND 6 FA PIECES.
AREA 6 -- 12 CARGO TRUCKS, ONE POSSIBLE UTILITY TRUCK,
AND ONE OTHER VEHICLE. THE 6-GUN AAA SITE IS
OCCUPIED.

25X1



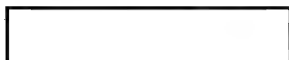
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GUANE MILITARY CAMP 2212N 08408W



EIGHTEEN PROBABLE TANKS/SP GUNS AND AT LEAST 30
PROBABLE CARGO TRUCKS OBSERVED.
HAZE LIMITS INTERPRETATION.

25X1



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EL CRIOLLO MILITARY CAMP 2259N 08225W

NO APPARENT CHANGE IN FACILITIES.
APPROXIMATELY 30 UNIDENTIFIED VEHICLES OBSERVED.
FOLIAGE AND SHADOWS LIMIT INTERPRETATION.

25X1

MINAS MILITARY CAMP JESUS MARIA FINCA 2306N 08211W

25X1

HAVANA VEHICLE PARK 2309N 08215W

APPROXIMATELY 100 UNIDENTIFIED VEHICLES OBSERVED.

25X1

LOMAS TETAS DE MANAGUA TANK PARK 2258N 08219W

NO APPARENT CHANGE IN FACILITIES.
SEVEN TANKS/SP GUNS, 9 PROBABLE TANKS/SP GUNS, AND 10
OTHER VEHICLES.

25X1

GUANAJAY MILITARY CAMP MARTIN MESA 2257N 08243W

NO APPARENT CHANGE IN FACILITIES.
AT LEAST 11 PROBABLE TANKS/SP GUNS, APPROXIMATELY 100
OTHER VEHICLES, AND AT LEAST 12 PROBABLE FA PIECES
OBSERVED.

25X1

GUAYABAL MILITARY CAMP 2254N 08237W

MAIN CAMP -- 18 TRACKED PRIME MOVERS, 8 CARGO TRUCKS,
18 PROBABLE FA PIECES AND 4 PROBABLE AAA PIECES.
AREA 1 -- 6 PROBABLE CARGO TRUCKS, 4 AAA PIECES, AND
17 PROBABLE FA PIECES.

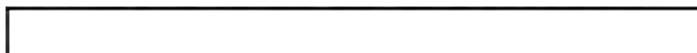
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AREA 2 -- IDENTIFICATION ONLY.
AREA 3 -- IDENTIFICATION ONLY.

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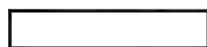


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CABANA FORTRESS 2308N 08220W

NO APPARENT CHANGE IN FACILITIES.
NO VEHICLES OBSERVED.

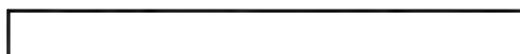
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TAPASTE STORAGE AREAS 2302N 08207W

NO APPARENT CHANGE IN FACILITIES AND NO VEHICLES
OBSERVED IN CLOUD-FREE AREAS.

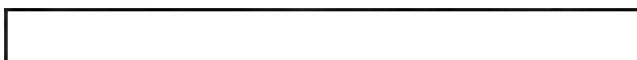
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SANTIAGO DE LAS VEGAS MILITARY CAMP SOUTH 2257N 08223W

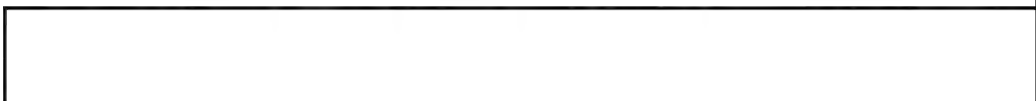
NO APPARENT CHANGE IN FACILITIES.
AT LEAST 39 CARGO TRUCKS AND 24 PROBABLE FA PIECES
OBSERVED.

25X1



BEJUCAL AMMUNITION STORAGE 2256N 08223W

HEADQUARTERS AREA -- NO APPARENT CHANGE IN
FACILITIES. TWENTY-EIGHT VAN TRUCKS, 31 PROBABLE
CARGO TRUCKS, AND 23 OTHER VEHICLES OBSERVED.
STORAGE AREA -- NO APPARENT CHANGE IN FACILITIES.



25X1

SAN ANTONIO DE LOS BANOS AREA DROP ZONE 2256N 08231W

NO ACTIVITY OBSERVED.

25X1



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-STATUS OF OTHER TARGETS OBSERVED-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE
SINCE LAST COVERAGE--

GUANAJAY IRBM SITE 2	2257N 08237W
MINAS AMMUNITION STORAGE AREA	2308N 08211W
HAVANA AMMUNITION STORAGE AREA	2301N 08226W
SAN JOSE DE LAS LAJAS STORAGE	2258N 08212W
SAN FRANCISCO DE PAULA AMMUNITION STORAGE AREA	2303N 08218W
MANAGUA AMMUNITION STORAGE AREA	2257N 08218W
SPECIAL AREA ALPHA WHITE	2259N 08225W
SPECIAL AREA HOTEL	2301N 08248W
SPECIAL AREA BRAVO BLUE	2253N 08232W
SPECIAL AREA BRAVO RED	2254N 08228W
SPECIAL AREA VICTOR	2302N 08235W
SPECIAL AREA TANGO	2259N 08244W
SPECIAL AREA JULIET	2301N 08240W
TARARA LANDING BEACH	2310N 08212W

25X1

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT
NOT INTERPRETED--

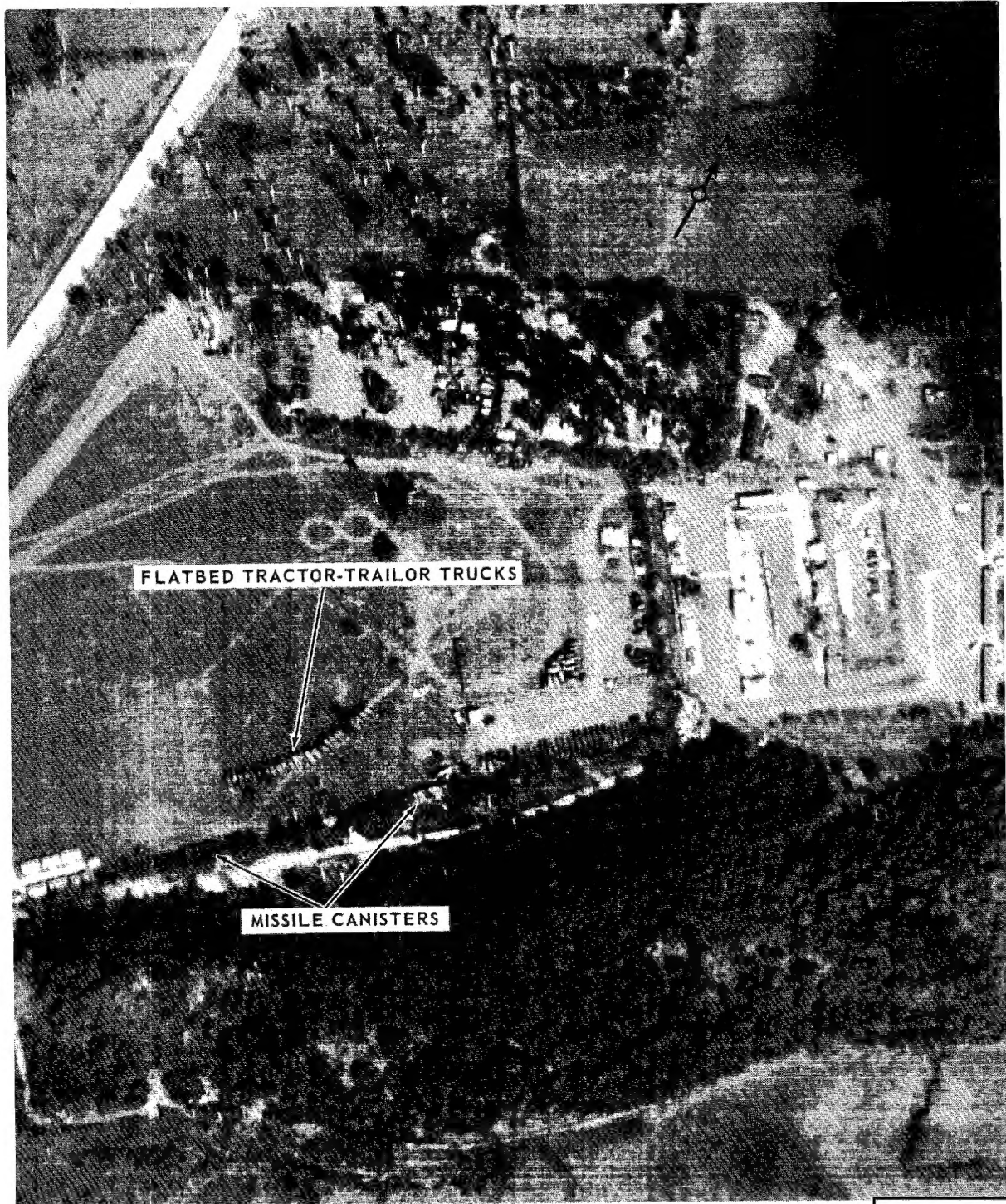
GUANAJAY IRBM SITE 1	2257N 08239W
CORONEL PASCUAL AIRFIELD	2307N 08117W
SAN JULIAN AIRFIELD	2205N 08409W
CARDENAS PORT	2302N 08111W
KAWAMA MARINA	2307N 08117W
ARTEMISA MILITARY CAMP	2250N 08248W
MARIEL MILITARY CAMP LOMA GOBERNADORA	2256N 08251W
LOMA DE TIERRA MILITARY CAMP	2301N 08213W
EL CHICO MILITARY AREAS	2300N 08226W
MATANZAS LANDING BEACH	2301N 08126W
VARADERO LANDING BEACH	2308N 08118W

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ATTACHMENT 1



TORRENS SAM ASSEMBLY AREA

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